

In the Claims:

1. (Currently Amended) ~~Method A~~ Method for controlling [[the]] ~~a~~ forwarding quality in a data network, the method comprising:

-performing, by a measurement manager, end-to-end measurements between ~~a first node in a first access network and a second node in a second access network~~ [[nodes]] in said data network, the end-to-end measurements providing timing information of traffic flowing between the ~~first node and the second node~~ nodes in said data network;

-obtaining, by a Network Resource Manager (NRM), information of network topology;

-transferring the obtained information of the network topology from the NRM to the measurement manager or transferring a result of the performed end-to-end measurements from the measurement manager to the NRM;

-combining said end-to-end measurements and said obtained information of the network topology into a first information set; and

-detecting correlated and uncorrelated paths using the first information set.

2. (Currently Amended) ~~Method~~ The method according to claim 1, comprising the further step of:

-combining said first information set with information on data flow presence at individual out-interfaces.

3. (Currently Amended) ~~Method~~ The method according to claim 1, comprising the further step of:

-scheduling the transfer of the obtained information of the network topology over time or initiating the transfer of the obtained information of the network topology periodically.

4. (Currently Amended) **Method** The method according to claim 1, comprising the further step of:

-scheduling the transfer of the result of the performed end-to-end measurements over time or initiating the transfer of the result of the performed end-to-end measurements periodically.

5. (Currently Amended) **Method** The method according to claim 1, comprising the further step of:

-requesting the transfer of the obtained information of the network topology explicitly by a master manager.

6. (Currently Amended) **Method** The method according to claim 1, comprising the further step of:

-requesting the transfer of the result of the performed end-to-end measurements explicitly by a master manager.

7. (Currently Amended) **Method** The method according to claim 1, comprising the further step of:

-triggering the transfer of the obtained information of the network ~~routing~~ topology by specific events in a slave manager.

8. (Currently Amended) **Method** The method according to claim 1, comprising the further step of:

-triggering the transfer of the result of the performed end-to-end measurements by specific events in a slave manager.

9. (Previously Presented) A computer program product for performing the steps of claim 1, the computer program product having a compute-readable storage medium with a computer program embodied thereon.

10. (Cancelled)

11. (Currently Amended) ~~Method~~ The method according to claim 2, comprising the further step of:

-scheduling the transfer of the obtained information of the network topology over time or initiating the transfer of the obtained information of the network topology periodically.

12. (Currently Amended) ~~Method~~ The method according to claim 2, comprising the further step of:

-scheduling the transfer of the result of the performed end-to-end measurements over time or initiating the transfer of the result of the performed end-to-end measurements periodically.

13. (Currently Amended) ~~Method~~ The method according to claim 2, comprising the further step of:

-requesting the transfer of the obtained information of the network ~~routing~~ topology explicitly by a master manager.

14. (Currently Amended) ~~Method~~ The method according to claim 2, comprising the further step of:

-requesting the transfer of the result of the performed end-to-end measurements explicitly by a master manager.

15. (Currently Amended) ~~Method~~ The method according to claim 2, comprising the further step of:

-triggering the transfer of the obtained information of the network ~~routing~~ topology by specific events in a slave manager.

16. (Currently Amended) ~~Method~~ The method according to claim 2, comprising the further step of:

-triggering the transfer of the result of the performed end-to-end measurements by specific events in a slave manager.